DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1, 40, 41 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claim amendment "bi-directional connection" and uni-directional connection" was no supported in the specification in such a way as to enable one skilled in the are to which it pertains.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-32, 34, 36, 38, 40-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Friday (U.S. 6,631,453) and Kenworthy (U.S, 6,317,837).

As per claims 1,13,17,22,28,36 Friday disclosed an image processing method for printing images on an image printing device based on a file stored in an image printing data transmission device using a portable terminal, said image printing data transmission device connected. to a first internal network provided behind a first firewall, said image printing device connected to a second internal network provided behind a second firewall, ,and a file server connected to an external network provided outside of said first firewall and said second firewall, comprising: said portable terminal establishing a connection with said image data transmission device via said second internal network, said second firewall, said external network, said first firewall and said first internal network wherein establishing the connection comprises using a protocol (col. 6, lines 14-41); wherein said image printing request identifies said stored file, said image data transmission device receiving said image printing request and preparing a print job to print images associated with said stored file in response to said image printing request; said image printing data transmission device establishing a connection with said file server via said first internal network, said first firewall, and said external network using a protocol, which allows only uni-directional connections from the internal network to the external network at said first firewall (col. 5, lines 42-66); said image data transmission device uploading said prepared print job to said file server; said image printing device establishing a connection with said file server via said second internal network, said second firewall, and said external network using a protocol, which allows only unidirectional connections from the second internal network to the external network at said second firewall: said image printing device downloading said print job from said file server; and said image printing device printing images based on said downloaded printing job data (col. 17, lines 48-67 & col. 18, lines 1-21).

However Friday did not disclose in detail "which allows a first bi-directional connection between the first internal and the external network and a second bi-directional connection between the second internal network and the external network; said portable terminal transmitting an image printing request for said file stored in said image printing data transmission device to said image printing data transmission device,".

In the same field of endeavor Kenworthy disclosed, "In this way, the NADFW-MS 111 is able to screen a data packet based on particular network node from which the data packet was sent. This mechanism provides the NADFW-MS 111 with multi-directional access control (col. 8, lines 11-15).

It would have been obvious to one having ordinary skill in the art at the time of the invention was made to have incorporate, "In this way, the NADFW-MS 111 is able to screen a data packet based on particular network node from which the data packet was sent. This mechanism provides the NADFW-MS 111 with multi-directional access control" as taught by Kenworthy in the method of Friday to provide data secure environment for business to business computing.

4. As per claims 2,8 Friday-Kenworthy disclosed comprising said image data transmission device transmitting a storage location data indicating where said uploaded print job is stored on said file server to said portable terminal; said portable terminal receiving said storage location data which said image data transmission device transmitted (Friday, col. 4, lines 29-39); said

portable terminal displaying said received storage location data; and said image printing device receiving an entry of said storage location data; wherein said image printing device downloads said print from the storage location on said file server based on said storage location data (col. 5, lines 50-65).

5. As per claims 3,9,33,35,37,39 Friday-Kenworthy disclosed comprising said image data transmission device transmitting a storage location data indicating where said print job is stored on said file server to said portable terminal; said portable terminal receiving said storage location data which said image printing data transmission device transmitted; said portable terminal displays said storage location data; said image printing device receives an entry of said storage location data; wherein said image printing device downloads said print job from the storage location on said file server based on said storage location data (Friday, col. 18, lines 51-64).

6. As per claims 4,10,18,23,26,29 Friday-Kenworthy disclosed further comprising said file server transmitting a storage location data indicating where said print job uploaded by said image printing data transmission device is stored on said file server to said portable terminal; said portable terminal receiving said storage location data which said file server transmitted (Friday, col. 18, lines 38-49); said portable terminal displays said storage location data; and image printing device receiving an entry of said storage location data; wherein said image printing device downloads said print job from the storage location on said file server based on said storage location data (Friday, col. 18, lines 51-64).

7. As per claims 5,11,19,30 Friday-Kenworthy disclosed further comprising wherein said file server transmitting a storage location data indicating where said print job uploaded by said image data transmission device is stored on said file server to said portable 10 terminal; portable terminal receiving said storage location data which said file server transmitted (Friday, col. 18, lines 38-49); said portable terminal transferring, said storage location data to said image printing device via said second internal network or a local communication circuit; said image printing device receiving said storage location data transferred by said portable terminal; wherein said image printing device loads said print job from the storage location on said file server based on said storage location data (Friday, col. 18, lines 51-64).

8. As per claims 6,12,14,16,20,24,27,31 Friday-Kenworthy disclosed wherein said image printing device is a printer (Kenworthy, col. 3, lines 19-21).

9. As per claims 7,15,21,25,32,34,38 Friday-Kenworthy disclosed an image processing method for printing an image on an image printing device based on a file stored in an image printing data transmission device using a portable terminal, said image printing data transmission device connected to a first internal network constructed inside a first firewall, said image printing device connected to a second internal network constructed inside a second firewall, and a file server connected to an external network constructed on the outside of said first firewall and said second firewall, comprising: said portable terminal establishing a connection with said image printing data transmission device via a public network, a public network authenticating server connected to said first internal network, and said first internal network; said portable terminal

transmitting an print job for said file stored in: said image printing data transmission device to said image printing data transmission device (Kenworthy, col. 8, lines 11-15); image printing data transmission device receives said image printing request transmitted by said portable terminal and prepares an image printing data for said file according to said image printing request; said image printing data transmission device establishing a connection with said file server via said first internal network, said first firewall, and said external network using a protocol, which is allows connections only from the first internal network to the external network at said first firewall; said image printing data transmission device uploads said prepared print job to said file server; said image printing device establishing a connection with said file server via said second internal network, said second firewall, and said external network using a protocol, which allows connections only from the internal network to the external network at said second firewall; said image printing device downloading said print job from said file server; and said image printing device printing said image based on said downloaded print job (Friday, col. 17, lines 48-67 & col. 18, lines 1-21).

Response to Arguments

10. Applicant's arguments with respect to claims 1-32, 34, 36, 38 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

11. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

12. The examiner can normally be reached on Monday to Friday during normal business hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for un published applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

Adnan Mirza
/A. M. M./
Examiner, Art Unit 2145

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145